



主要技术参数 / Main Technical Data

项目 / Item	参数 / Data				
设备型号 Type Of Equipment	GKW-160A	GKW-160	GKW-230	GKW-300	GKW-400
压辊尺寸 Roller SizeΦ×W(mm)	160×40	160×60	230×80	300×100	400×100
成品粒度 Final granular size(mm)	0.2-2.0	0.2-2.0	0.2-2.0	0.2-2.0	0.2-2.0
生产能力 Output(kg/h)	1-40*	80-120*	100-300*	200-600*	600-1200*
最大成型压力 Maximum Forming Pressure(bar)	220	220	220	250	250
螺旋送料转速 Screw Feeding Rotating Speed (rpm)	25-120	25-150	25-150	25-150	25-150
压辊转速 Roller Rotating Speed (rpm)	3-18	3-20	1-18	1-18	1-15
一级整粒转速 First level granulating speed (rpm)	—	10-82	10-80	—	—
二级整粒转速 Second level granulating speed (rpm)	10-82	10-92	10-90	10-90	10-90
整机功率 Total Power(Kw)	8	14	18	25	45
整机重量 Weight (Kg)	800	1700	2800	4500	5500

联系方式 / CONTACT

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# GKW系列干法制粒机

GKW SERIES DRY GRANULATING MACHINE  
ROLLER COMPACTOR

- ▶ 水平进料  
Horizontal Feeding
- ▶ 循环冷却  
Circulating cooling
- ▶ D型整粒  
D Type Granulating
- ▶ PLC控制  
PLC Control



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This equipment has a strong adaptability for all kinds of material, can be used to produce the desired mesh granules according to the different needs without any additive during the granulating. With easy process, high batch capacity and easy cleaning etc, it is widely used in pharmaceutical, food and chemical industry.

GKW系列干法制粒机是一种将原料粉体挤压成型 - 破碎造粒集为一体的制粒设备。可将粉末状物料制成所需目数的颗粒，增加了物料的比重及可流动性，通过螺杆水平送料、压辊冷却、真空排气及两级整粒系统，有效的降低了成品的细粉含量，提高了药物的制粒质量，为后续的压片、胶囊填充提供了良好物料准备。该设备对各种物料有很强的适用性，制粒过程不使用任何添加剂，并可根据不同需求制成所需目数的颗粒，具有工艺简单、生产批量大、易于清洗维护等特点。可广泛用于医药、食品、化工等行业。

GKW Series Roller Compactor is newly developed equipment with integration of the compacting, crushing and granulating process. It can produce the powder material into granules with desired mesh (>16), so as to increase the material proportion and fluidity.

By the double Screw Horizontal Feeding System, Roller Cooling System, Vacuum Exhaust System and twostage Granulating System, it efficiently reduces the fines content of the final granule and improves the quality of granules, so as to make a good preparation for the subsequent tablet pressing and capsule filling.

## 主要特征 / Features

符合GMP设计  
高品质不锈钢  
操作过程全密闭设计  
采用变频调速  
结构紧凑，便于清洁维护  
冷却/排气/D型制粒  
PLC控制、POD显示、操作直观简便

Desinn of GMP  
High quality stainless steel construction  
Fully sealed operation condition  
Adjusted by inverter  
Compact structure,easy for cleaning and maintenance  
Cooling/exhaust/D type granulating  
PLC control,POD display,easy operation



### 物料输送 / Delievry Material

料斗搅拌装置，螺旋供料，保证物料传输的均匀性，同时对物料进行初步压缩；  
Hopper mixing device, screw feed, ensure the uniformity of material transmission, and initially compress of material.

### 辊压成型 / Roll Forming

恒定的辊压力和辊压间距，物料在工艺预设的压力、间距下，将物料进行最终的压缩，形成可以薄片形状！

Constant roll pressure and roll spacing. The material is finally compressed under the preset pressure and spacing of the process to form a thin sheet shape!

设备采用辊压轮压力自动补偿控制系统，保证了设备以优良的性能长时间运行的平稳性；控制系统之间形成闭环控制，能够实现自动化生产。

The equipment with automatic compensation control system of roller pressure, which ensures the stability of the equipment running for a long time with excellent performance; Closed loop control is formed between control systems to realize automatic production.



将压制好的物料进行打碎，下端设有取样口，可实时对物料进行收集取样检测。  
Crush the pressed materials, and set a sampling port at the lower end to collect and sample the materials in real time.

- ▶ 两级制粒可有效减小成品细粉含量。  
Effectively reduce fine powder content.
- ▶ 根据需要可更换筛网，以获得不同目数的物料颗粒。  
Optional sieves for getting granule with different mesh size.
- ▶ D型排列的筛网可有效增大筛网的工作表面，提高了处理量和颗粒的收率。  
D-type arrangement of sieves increasing the working surface of the sieve, increasing the processing volume and yield of granule.

